## You are cordially invited to
# Members' Open House
## Wednesday, October 13
## 6 to 10 p.m.

On this night the Academy will open its doors and take you and your family and friends behind the scenes at the Steinhart Aquarium, show you how the planetarium and laser light shows are produced, and explain the inner workings of all research, exhibits and education departments. You can visit with members of any department you like, so circle the date now and come meet the staff and share refreshments at Members' Open House on Wednesday, October 13. Guests are welcome!

Open House takes the place of our regular members' meetings and will occur **one night only.** There will be no matinee program. Both entrances to the Academy will be open for this night only and the Nature Company Museum Shop will remain open until 10 p.m.

Departments and offices you can visit during Open House are:

Aquarium
Anthropology
Birds and Mammals
Botany
Discovery Room
Docents
Entomology
Exhibits
Herpetology
Ichthyology
Instrument Shop
Junior Academy
Library
Meteorites
Mineralogy
Membership
Photography Studio
Picture Collection
Planetarium
Travel Office
Wood Shop

## NOVEMBER MEMBERS' MEETING

THE CALIFORNIA ACADEMY OF SCIENCES
presents
**THE CLAIRE MATZGER LILIENTHAL DISTINGUISHED LECTURE**
**The First In A Series**
Dr. George B. Schaller
**"Wildlife and Conservation In the Himalayan Region"**

Wednesday, November 10
8:00 p.m.
Palace of Fine Arts Theatre
San Francisco

For nearly five years, George Schaller has studied wildlife in the Himalayan region — in the Hindu Kush and Karakoram in Pakistan, the high ranges of Kashmir and Nepal, the uplands of Tibet, and the rugged highlands of western Sichuan in China. There he has sought the elusive snow leopard, observed the remote blue sheep and markhor goat, and, in collaboration with the Chinese government, studied the giant panda. Although he sought new facts about the animals, his main concern has been for conservation. Dr. Schaller's major task is to find areas suitable for reserves so that samples of this unique high-mountain environment will forever be preserved.

Please join Dr. Schaller and fellow Academy members for this special Members' Meeting.

Members are reminded that this lecture replaces the usual Members' Meeting format for November. **The lecture will take place one time only.**

Please use the attached reservation form for free tickets.

## TICKET INFORMATION AND RESERVATION FORM

THE CALIFORNIA ACADEMY OF SCIENCES
presents
**THE CLAIRE MATZGER LILIENTHAL DISTINGUISHED LECTURE**
**The First In A Series**
Dr. George B. Schaller
**"Wildlife and Conservation In the Himalayan Region"**

Tickets are available for the lecture, "Wildlife and Conservation In the Himalayan Region" with this registration form. Reservations will be accepted in order of receipt and unfortunately telephone reservations cannot be accepted for this event.

For further information, please call the Education/Travel Office at (415) 221-5100.

### TICKET ORDER FORM

PRICE: Members of the California Academy of Sciences FREE
Guests of Academy members $2.50

Please mail this form with check (when applicable) made payable to the CALIFORNIA ACADEMY OF SCIENCES and a self-addressed, stamped envelope to:

LILIENTHAL DISTINGUISHED
LECTURE SERIES
Californa Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

Name _____

Address _____

Zip Code _____

Daytime Telephone # _____

Tickets @ FREE _____

Tickets @ $2.50 _____

Total Amount Enclosed _____

NO REFUNDS/NO EXCHANGES

## Special Exhibits

**Bald Eagles of the Great Basin**

New exhibit opens in October!

**The Wildlands and Wildlife of California** is an exhibit of approximately 175 stunning color photographs by wildlife photographer Tupper Ansel Blake. These photographs document the rich diversity of wild creatures and their habitats in California in seven self-contained displays, one for each of seven geographical regions of the state. Tupper Blake has trekked from the Cascade Mountains in the north to the Colorado Desert in the south, from the arid Great Basin in the east to the offshore islands in the west, photographing a California few of us ever notice.

This exhibit has been created to draw attention to the wildlands and wildlife of California and to advance public appreciation and understanding of these resources. It has been sponsored by the California Department of Fish and Game and the National Audubon Society. (Opens October 20 in Hohfeld Gallery II and Lovell White Hall).

Continuing exhibits are:

**Blue Water Plankton,** an exhibit which captures the eerie quality of strange organisms and fragile transparent animals in the blue water of the open ocean, by Jonathan Trent, graduate student at Scripps Institution of Oceanography. (through January 16, 1983)

**The Eye of Science** is a lively combination of large close up photographic techniques developed to extend the human eye's ability to see, plus demonstration programs on strobe light photography, and a continuous showing of the National Geographic special "The Invisible World". Organized by the Science Museum of Minnesota. (Through January 31, 1983)

**The Heritage of Islam** (Extended through January 2, 1983). The art and science of Islam is the focus of this exhibition gathered from around the world. Over 250 objects, including illuminated manuscripts, glass and ceramics, rare textiles and sophisticated scientific instruments from 10th century Persia.

**Dunescapes** (through October 10). Inland sand dunes and the beautiful patterns they create are the subject of this photographic exhibit by Oakland photographer, Pamela Roberson.

**Hopi Kachina comes home!** A scale model of a Hopi plaza complete with ceremonial kachina dolls is on display in Hohfeld Gallery I. This exhibit is part of the Academy's major traveling exhibition **Hopi Kachina: Spirit of Life** which has just returned to San Francisco following a national tour.

## Morrison Planetarium

Is E.T. real? What was it in 1967 that made scientists believe that they had discovered an intelligent civilization among the stars? And what messages from Earth are now streaming through space, possibly to be received by alien beings? Morrison Planetarium examines these questions and others in a fascinating look at the search for extraterrestrial life in **Are We Alone?** Shows daily at 2:00 p.m., with evening shows on Wednesday and Thursday at 7:30. Saturday & Sunday performances at 12:30, 2:00 and 3:30 p.m. Holiday schedule on Columbus Day (Monday, October 11) 11:00 a.m., 12:30, 2:00 and 3:30 p.m.

*Please Note: There will be no 7:30 p.m. show on October 13 as the planetarium will be giving behind-the-scenes tours for Open House.*

What's up in the current night skies? Find out in **Exploring the Skies of the Season,** an enjoyable tour of the heavens above San Francisco. Shows every Saturday and Sunday morning at 11:00.

Members may use their complimentary planetarium passes for free admission to both of these shows.

October also means the return of school shows at the planetarium! Five shows are available during the regular school year, appropriate for grade levels ranging from kindergarten and preschool up to 6th grade. Phone the planetarium office for details and reservations one month in advance at (415) 221-5100 ext. 269.

## Light Shows

Come and be dazzled by lasers and more in one of Eye See the Light Show, Inc's spectacular multi-media concerts in the planetarium.

**Lights Fantastic** - Saturday, Sunday & Columbus Day (Oct 11) at 5:00 p.m.

**Rock Stars** - Thursday at 9:00 p.m., Friday and Saturday at 9:00 and 10:30 p.m. Sunday at 9:00 p.m.

**Spotlight: The Beatles** (ends October 24) - Friday through Sunday at 7:30 p.m.

And beginning on October 29 (just in time for Halloween!):

**The War of the Worlds** (narrated by Richard Burton) -Friday through Sunday at 7:30 p.m.

Members' complimentary passes are *not* usable for these light shows. General admission is $4.00 for evening presentations and $3.50 for matinees (5:00 p.m. only). Admission for children 10 and under and for senior citizens is $2.00. Advance tickets are available through BASS outlets.

## Inside the Academy

On recommendation of the Science Council, twelve new names have been added to the list of Fellows of the California Academy of Sciences this year.

Dr. Luis Baptista, Chairman, Department of Ornithology and Mammalogy, California Academy of Sciences.

Dr. William B.N. Berry, Chairman, Department of Paleontology, Director of Museum of Paleontology, University of California, Berkeley.

Dr. Catherine Chase Campbell, micropaleontologist, Editor, U.S. Geological Survey, San Mateo.

Dr. John E. Hafernik, Jr., entomologist and Associate Professor, San Francisco State University, Department of Biology.

Dr. Richard L. Hay, Professor, Department of Geology and Geophysics, University of California, Berkeley.

Dr. A. Carl Helmholz, Emeritus Professor, Department of Physics, University of California, Berkeley.

Dr. Carole S. Hickman, Assistant Professor, Department of Paleontology, University of California, Berkeley.

Dr. F.G. Hochberg, Curator of Invertebrate Zoology, Santa Barbara Museum of Natural History.

Dr. William A. Jensen, Chairman, Department of Instruction in Biology, University of California, Berkeley.

Dr. Donald R. Kaplan, Department of Botany, University of California, Berkeley.

Jacqueline Schonewald, Department of Ornithology and Mammalogy, California Academy of Sciences.

Dr. Otto M. Sokol, Department of Anatomy, University of South Alabama, Mobile.

Election to this body is in recognition of unusual attainments in science and active participation in the advancement of the work of the Academy. By charter, the number is limited to 300 persons who are elected for life. The new Fellows will be honored at the Annual Fellows' Dinner early this month.

## Education and Travel

The Academy's Fall Adult Education program continues with six courses to begin in October. Explore the world of nature with fellow Academy members as a participant in one of the following diverse and fascinating classes. For information and registration, call the Academy's Education/Travel Office at (415) 221-5100.

CONIFERS OF THE WORLD
October 4 - November 29
(omit November 11)
8 Monday evenings, 7 - 9:00 p.m.
Field trips: Saturday, October 30
Saturday & Sunday, November 13 & 14
Instructor: Dr. Glenn Keator
Cost: $60 per person, transportation and accommodations not included.

A world of cone-bearing trees, from pines to redwoods, is yours to explore in this 8-week course. We will learn about evolution, structure, reproduction, ecological relationships, geographical distribution and identifying traits of major conifer families.

HUNTING THE WILD TRICERATOPS
October 7 - 28
4 Thursdays
7 - 9:00 p.m.
Instructors: Dan Adams
Mike Greenwald
Steve Johnson
Tim Rowe
Cost: $20 members, $25 non-members

Attentions dinosaur lovers! Fossils provide the "clues" for paleontologists who seek to reconstruct the distant past. Come and learn how paleontologists work in the field and how their research has provided new views of dinosaurs and the strange mammalian beasts which roamed the earth before the appearance of man.

NATURE PHOTOGRAPHY
October 15 and 22 (Lectures)
7 - 9:00 p.m.
October 16 & 17 (field trips)
Instructor: Mary Ellen Schultz
Cost: $30 members, $40 non-members

This course is filled. You may call to put your name on a wait-list.

HORIZON ASTRONOMY
October 19 - November 9
4 Tuesdays
7 - 9:00 p.m.
Instructor: Dr. Walt Terris
Cost: $20 members, $25 non-members

Come and sit beneath the skies of Morrison Planetarium as we learn how early man understood the majesty of the moving universe long before the invention of modern instruments.

OMNIS PRO AVIS
It's All For the Birds
October 27 - November 17
4 Wednesdays
7 - 9:00 p.m.
Field Trips: Saturday, November 7
Saturday, November 20
Instructor: Dr. Luis Baptista
Cost: $35 members, $45 non-members

We will study the morphology, ecology and behavior of birds and the principles of flight and migration with two field trips to observe both local birds and migrants en route to their winter homes.

A NATURAL DYE WORKSHOP
Saturday, November 13
9 - 4:00 p.m.
Instructor: Mona Bourell
Cost: $25 members, $30 non-members includes all materials

This course is filled. You may call and put your name on a wait-list.

# ON THE FRONTIERS OF SCIENCE

## A Lecture Series

Sponsored by the California Academy of Sciences, San Francisco State University's School of Science, and Committee for Lectures, Arts and Special Programs.

The series continues this month, exploring fascinating topics which are currently at the forefront of scientific research and are of fundamental importance to you.

**Last lecture in series: "Engineering Your Future"** ***Knuth Hall, San Francisco State University***
**8:00 p.m.**

**OCTOBER 5**
**"Is Nuclear War Survivable?"**
Dr. Howard Maccabee, *Medical Director, Radiation Oncology Center, Walnut Creek*

**Three lectures: "Evolution Revolution"** ***Morrison Auditorium, California Academy of Sciences*** **8:00 p.m.**

**OCTOBER 12**
**"Chemical Evolution and the Origin of Life"**
Dr. James Lawless, *Extraterrestrial Research Division, Ames Research Center, NASA*

**OCTOBER 19**
**"Human Evolution: How We Got Our Swollen Heads"**
Dr. Glynn Isaac, *Department of Anthropology, University of California, Berkeley and Fellow, California Academy of Sciences*

**OCTOBER 26**
**"The State of Evolutionary Theory and Why It Is Important To You"**
Dr. Paul Ehrlich, *Department of Biological Sciences, Stanford University and Fellow, California Academy of Sciences*

TICKETS
Tickets for individual lectues will be sold at the door on a space available basis only.

Price: $4 for each lecture.

For further information, call the Education/Travel Office at (415) 221-5100.

**Antarctica**
Four departure dates: November 13, November 30, December 24, January 17

Truly a unique and exciting destination, Antarctica is a land of abundant wildlife and startling, dramatic beauty. Cruising aboard the *Lindblad Explorer,* one may expect to see huge aggregations of penguins, albatross, terns and other birds, sea lions, fur seals, elephant seals, and porpoises. There will also be opportunities to visit the research stations of Chile and Argentina and the American Palmer Station. For information and a colorful brochure, please call the Academy Travel Office at (415) 221-5100.

**Baja California Circumnavigated**
February 5 - February 19

The *M.V. Northwest Explorer* will make its third annual cruise with Academy members around the Baja California Peninsula. Led by Ornithology curator, Dr. Luis Baptista, Academy members will see tremendous herds of elephant seals in the San Benitos Islands, and will visit the whale lagoons of the west coast for some "close encounters" with the California gray whales. Rounding the tip of the peninsula, the ship enters the Sea of Cortez where members will see numerous birds, fishes and the bizarre plants of this region. Truly a naturalist's delight! Costs range from $2650 -$3680 plus air fare to San Diego. For information, please call the Academy Travel Office at (415) 221-5100.

**Ethiopia, Egypt and The Red Sea**
March 6 - 29

The grandeur of ancient civilizations and a variety of contemporary cultures are the focus of this extraordinary tour, planned especially for Academy members. Picturesque Ethiopia is our first destination as we visit Addis Ababa, Lake Tana - source of the Blue Nile, and a village of Falashas, a distinct ethnic group who practice an archaic form of Judaism. We will also explore numerous architectural wonders before traveling to Egypt. Two days are spent in Cairo before boarding the *M.S. Lindblad Polaris* for a cruise through the Red Sea. Highlights include St. Catherine's Monastery-site of "The Burning Bush", the fabled rose-red city of Petra and the Gubal Islands. Snorkelers will enjoy the abundant marine life in the Gubal Islands and at Hurghada. Costs range from $2970 to $4540 plus air. For information, please call the Academy Travel Office at (415) 221-5100.

GRAPHIC ARTS

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(415) 221-5100 221-4214

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